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Substitute for form 1449A/PTO					Complete if Known	1
				Application Number	10/683914	_
			CLOSURE	Filing Date	10 October 2003	
STA	TEMEN	IT BY A	PPLICANT	First Named Inventor	Lester F. Ludwig	
				Group Art Unit		
(use as many sheets as necessary)			necessary)	Examiner Name		П
Sheet	1	of	13	Attorney Docket Number	2738-16	J

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Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevan
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	Cite No.1	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	т⁰
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Substitute for form 1449A/PTO		Complete if Known
	Application Number	10/683914
INFORMATION DISCLOSURE	Filing Date	10 October 2003
STATEMENT BY APPLICANT	First Named Inventor	Lester F. Ludwig
	Group Art Unit	
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Substitu	te for form 1449		COULTACTO 1895, ND persons	Complete if Known		
				Application Number	10/683914	
INFORMATION DISCLOSURE				Filing Date	10 October 2003	
STA	TEMEN.	T BY A	PPLICANT	First Named Inventor	Lester F. Ludwig	
				Group Art Unit		
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Sheet	3	of	13	Attorney Docket Number	2738-16	

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3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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				Application Number	18/683914	
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				Group Art Unit		
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Sheet	4	of	13	Attorney Docket Number	2738-16	

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Subst	itute for form 144	9A/PTO		Complete if Known				
INIE		ON DIC	CLOSURE	Application Number	10/683944			
		-		Filing Date	10 October 2003			
SI	AIEMEN	IBAY	PPLICANT	First Named Inventor	Lester F. Ludwig			
				Group Art Unit				
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		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS								
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	miles miles	C1 C2 C3 C3 C4 C5 C6 C6 C6 C6 C7 C8	Examiner Initials * Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. C1 "Biax True Stereo Pickups," product description, Musician's Friend catalog. C2 "Korg's New Z-1 Helps Fiddler Keep His Funk", Music and Sound Retailer, Mar. 1998. C3 "Sympotics Targets Vision, Sound processing." C4 "Yamaha VL1", advertisement, Electronic Musician, Apr. 1994. C5 APPELMAN, D. RALPH, The Science of Vocal Pedagogy, Theory and Applications, 1967, Indiana University Press, Bloomington, Indiana, USA. C6 Biaxe Bagamaster, Box 15426, Stamford, CT, 06901-0428, USA. BICANIC, DANE, ed. Photoacoustic and Photothermal Phenomena III. 1992, vol. 69, Springer-Verlag, Berlin Heidelberg, Germany. C8 BORMANS, JAN "MPEG-4 systems need specialized CPUs", Electronic Engineering Times, Jan. 25, 1999. C9 Boss DF-2, Roland Corporation, 7200 Dominion Circle, Los Angeles 90040-3696, CA, USA. C11 Boss SE-70 Super Effects Processer Algorithm Guide, Roland Corporation, 7200 Dominion Circle, Los Angeles 90040-3696, CA, USA.							

					
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Substitute for form 1449A/PTO		Complete if Known				
INFORMATION DISCLOSUR	Application Number	10/688914				
	T Filing Date	10 October 2003				
STATEMENT BY APPLICAN	First Named Inventor	Lester F. Ludwig				
	Group Art Unit					
(use as many sheets as necessary)	Examiner Name					
Sheet 6 of 13	Attorney Docket Number	2738-16				

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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	Substitute	for form 1449	A/PTO			Complete if Known				
	INICO	DRAATI	ON DIS	CL OCUPE	Application Number	10/683919				
				CLOSURE	Filing Date	10 October 2003				
	STATEMENT BY APPLICANT				First Named Inventor	Lester F. Ludwig				
					Group Art Unit					
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し	Sheet	7	of	13	Attorney Docket Number	2738-16				

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
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Substitute	e for form 1449	AVPTO		Complete if Known		
INIEO	DRAKTI	ON DIS	CLOSURE	Application Number	10/683914	
			·	Filing Date	10 October 2003	
SIA	IEMEN	IBYA	PPLICANT	First Named Inventor	Lester F. Ludwig	
				Group Art Unit		
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Sheet	8	of	13	Attorney Docket Number	2738-16	

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				CLOSURE	Filing Date	10 October 2003	
STATEMENT BY APPLICANT					First Named Inventor	Lester F. Ludwig	
					Group Art Unit		
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i			OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
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	Just	C45	MURPHY, AAMODT, Spicer and Royce (eds) Photoacoustic and Photothermal Phenomena II, 1990, vol. 62, Springer-Verlag, Berlin Heidelberg, Germany.	
1	and	C46	NAGY-UNGVARAI, Z. and HESS, BENNO "Control of Dynamic Pattern Formation in the Belous-ov-Zhabotinsky Reaction" Physica D (1991) North-Holland.	
$\overline{}$	A)	C47	NICOLIS, G and BARAS, F (eds.), Chemical Instabilities, 1984, D.Reidel Publishing, Dordrecht/Bos-ton/Lancaster.	
	To the	C48	NICOLIS, G., "Nonlinear Phenomena in Chemistry", Introduction to Nonlinear Science, 1995, Cambridge University Press, Great Britain.	
	-	C49	Ommichord OM 250m, Suzuki, Bex 261030, San Diego, CA 92196, USA	
(Not	C50	ORBAN, M., KURIN-CSORGEI, K., ZHABOTINSKY, A, and EPSTEIN, I, "New Indicators for Visualizing Pattern Formation in Uncatalyzed Bromate Oscillatory Systems", J. Am. Chem. Soc. 1998, Vol. 120, pp. 1146-1150.	
		C51	PC-1800 Midi Controller, Peavy Corporation, 711 A St., Meridan, MS 39302-2898, USA.	
	post	C52	PENNYWITT, KIRK "Robotic Tactile Sensing," Byte, Jan., 1986.	
		C53	PLM 8128E, Peavey, Corporation, 711 A St., Meridan, MS 39302-2898, USA-	
		C54	PMC10 Program. MIDI Foot Controller, Digitech, Salt Lake City, UT, USA:	
	Mes	C55	Review of KORG X-230 Drum (later called "Wave Drum"), Electronic Musician, Apr. 1994.	

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	INFORMATION DISCLOSURE		Application Number	10/143914				
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	10 Øctober 2003		
	SIA	FMFN	IBYA	PPLICANI	First Named Inventor	Lester F. Ludwig		
					Group Art Unit			
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	M	C58	RICH, ROBERT "Buchla Lightning MIDI Controller", Electronic Musician, Oct. 1991.				
	AND .	C57	RICH, ROBERT "Buchla Thunder", Electronic Musician, Aug. 1990.				
	-pot	C58	ROADS, C., "A Tutorial on Non-linear Distortion or Waveshaping Synthesis," Computer Music Journal, Vol. 3, No. 2, pp. 29-34, June 1979, People's Computer Company, Menlo Park, CA, USA.				
	pas	C59	Robotic Tactile Sensig, Kirk Pennywitt, BYTE, Jan. 1986.				
		- 660 -	Roland's COSM: A Whole New World of Sounds, Kikumoto/Meyer, Roland Users' Magazine, 7200 Dominion Circle, Los Angeles , CA, 90040-3596, USA.	•			
1	pot	C61	RONSE, CHRISTIAN and DEVIJVER, PIERRE A., Connected Components in Binary Images: the Detection Problem, 1984, Research Studies Press/ John Wiley & Sons Inc., New York, NY, USA.				
		- 662 -	RSP-550 Algorithm Guide, Reland Gorporation, 7200 Dominion Circle; Los Angeles, CA 90040-3696, USA.				
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	Mis	C64	RUOFF, P. "How Bromate Oscillators Are Controlled", Am. Chem. Society, 1988.				
		C65	Senttent Six digital guitar interface, PASSAC, Milpitac, CA 95035, USA.				
		C68	SGE MACH II, Applied Research and Technology, 216 Trement St., Rochester, NY 14608, USA.				

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			CLOSURE	Filing Date	10 October 2003	
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				Group Art Unit		
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pas	C67	SHAPIRO, LARRY S, Affine Analysis of Image Sequences, 1995, Press Syndicate of the Cambridge University Press.	
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AN	C69	SNELL, JOHN M. "Sensors for Playing Computer Music with Expression", Proceedings of the Intl. Computer Music Conf. at Eastman, 1983.	
	CZ0_	Switchblade 16, Sound Sculpture, 5741 Arapahoe Rd. Ste. 2a Boulder, CO 80303, USA.	
_	C71	Synthophone, Softweind Instruments, 304 Newbury St. Ste. 323, Boston, MA 02155, USA.	
m	C 12	Tactile sensors and the gripping challenge, IEEE Spectrum Aug. 1985.	
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	- 674 -	Trilogy, Hipshot Music Prods. Van Nuys, NY, USA	
	C75	TYSON, JOHN J., The Belousev-Zhabetinskii Reaction, Springer-Verlag, Berlin/Heidelberg, Germany.	
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	C//	Various 6D Tracking Products, Ascension Technology Corporation, PO Box 527, Burlingame, VT 05402, USA.	

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				Group Art Unit		
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Sheet	12	of	13	Attorney Docket Number	2738-16	

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Gard	C78	VERNER, J. Artif Starr Switch Company Ztar 624-D, Electronic Musician, Nov. 1994.	
	C79	VG-8 Users Manual, Roland Corporation, 7200 Dominion Circle, Los Angeles, CA, 90040-3696, USA.	_
hat	- C80	VIBERG, MATS, Subspace Fitting Concepts in Sensor Array Processing, Linkoping Studies in Science and Technology, 1989, Dissertations No. 27 Linkoping, Sweden.	
mes	C81-	VISINTIN, A. (ed.), Models of Hysteresis, Longman Scientific & Technical, 1993, Harlow, En-gland.	
That	C82	WANG, X-J, and NICOLIS, G. "Bifurcation Phenomena in Coupled Chemical Oscillators: Normal Form Analysis and Numerical Simulations", Physica 26D (1987), pp. 140-155, North-Holland, Amsterdam.	
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Mes) C84	WILKINSON, SCOTT "SynchroVoice MidiVox" Electronic Musician, Jul. 1992.	
Not	C85	WINCKEL and FRITZ, Music Sound, and Sensation: A Modern Exposition, 1967, Dover, New York, USA.	
	C86	Wind Machine, Anatek, Creation Technologies, 400 Brooksbank Ave. B.C. Canada V7J-169	
	C87	WX11 and Wi11, Yamaha, 6600 Orangethorpe Ave., Box 6600, Buena Park, CA, USA.	
	Ces	XSDR AI2 Synthesizer Module, KORG, Suginamiku, Tokyo, Japan.	

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					Filing Date	10 October 2003		
	STATEMENT BY APPLICANT				First Named Inventor	Lester F. Ludwig		
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				necessary)	Examiner Name			
	Sheet	13	of	13	Attorney Docket Number	2738-16		

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W.	C89	Yamaha FS1R, Electronic Musician, Dec., 1998.				
my	C90	Yamaha WX11 and WT11, Midi Magazine Mar./Apr. 1994.Yamaha Corp. of America, 6600 Orangethorpe Ave., PO Box 6600 Buena Park, CA 90622-6600, 714 522-9011.				
	_C91	ZTAR Midi Fingerboard Controllers-Starr Instruments/Starr Switch, 1717 Fifth Ave., San Diego, CA 92101, USA.				
JAS -	C92	LIPPOLD HAKEN, "An Indiscrete Music Keyboard," Computer Music Journal, Spring 1998, pgs. 30-48.				
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